

**Amendments to the Claims:**

Claims 48 and 56 are currently amended.

This amendment adds, changes and/or deletes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, are presented. The text of all claims presently under examination is presented below in the listing of claims, and all claims are presented with an appropriate defined status identifier.

**Detailed and Complete Listing of Claims:**

1-47. (Canceled).

48. (Currently Amended) An isolated nucleic acid molecule that codes for a starch branching enzyme II, comprising a nucleotide sequence which hybridizes at 42°C in 2 x SSC for 16 h to the SBE II-D1 gene having the nucleotide sequence shown in SEQ ID NO: 10, wherein the translation product of the nucleotide sequence is 768 amino acids in length and has starch branching enzyme II activity.

49. (Previously Presented) The isolated nucleic acid molecule of claim 48, wherein the nucleic acid molecule is a genomic DNA or cDNA sequence.

50. (Previously Presented) The isolated nucleic acid molecule of claim 48, wherein the nucleotide sequence is functional in wheat.

51. (Previously Presented) The isolated nucleic acid molecule of claim 48, wherein the starch branching enzyme II has the amino acid sequence shown in SEQ ID NO: 12.

52. (Previously Presented) The isolated nucleic acid molecule of claim 48, wherein the nucleic acid molecule is isolated from *Triticum* species.

53. (Previously Presented) The isolated nucleic acid molecule of claim 52, wherein the *Triticum* species is *Triticum tauschii*.

54. (Previously Presented) A nucleic acid construct, comprising the nucleic acid molecule of claim 48.

55. (Withdrawn) An isolated antisense nucleic acid molecule, comprising a nucleotide sequence that is complementary to the nucleic acid molecule of claim 48.

56. (Currently Amended) A method of ~~altering~~ increasing the expression of a gene encoding starch branching enzyme II in a plant, comprising the step of introducing an isolated nucleic acid molecule according to claim 48 into a host plant, wherein said nucleic acid

molecule ~~alters~~ increases the expression of starch branching enzyme II in the plant.

57. (Withdrawn) A method of reducing the expression of a gene encoding starch branching enzyme II in a plant, comprising the step of introducing an isolated antisense nucleic acid molecule according to claim 55 into a host plant, wherein said antisense nucleic acid molecule alters the expression of starch branching enzyme II in the plant.

58. (Withdrawn) The method of claim 57, wherein the plant is wheat.

59. (Previously Presented) A plant transformed with the nucleic acid construct of claim 54.

60. (Previously Presented) Seed from the transformed plant of claim 59, comprising said nucleic acid construct.

61. (Canceled).

62. (Previously Presented) The transformed plant of claim 59, which is wheat.

63. (Withdrawn) The isolated nucleic acid molecule of claim 48, which comprises a nucleotide sequence corresponding to the nucleotide sequence of nucleotides 1058 to 1336, 1664 to 1761, 2038 to 2279, 2681 to 2779, 2949 to 2997, 3145 to 3204, 3540 to 3620, 3704 to 3825, 4110 to 4188, 4818 to 4939, 5115 to 5234, 6209 to 6338, 6427 to 6549, 6739 to 6867, 7447 to 7550, 8392 to 8536, 9556 to 9703, 9839 to 9943, 10120 to 10193, 10395 to 10550, 10928 to 11002, or 11092 to 11463 of SEQ ID NO: 10.

64. (Withdrawn) The isolated antisense nucleic acid molecule of claim 55, comprising a nucleotide sequence that is complementary to the nucleotide sequence of nucleotides 1058 to 1336, 1664 to 1761, 2038 to 2279, 2681 to 2779, 2949 to 2997, 3145 to 3204, 3540 to 3620, 3704 to 3825, 4110 to 4188, 4818 to 4939, 5115 to 5234, 6209 to 6338, 6427 to 6549, 6739 to 6867, 7447 to 7550, 8392 to 8536, 9556 to 9703, 9839 to 9943, 10120 to 10193, 10395 to 10550, 10928 to 11002, or 11092 to 11463 of SEQ ID NO: 10.

65. (Withdrawn) The method of claim 57, wherein the expression of starch branching

enzyme II is decreased in the plant.

66. (Canceled).

67. (Withdrawn) A product comprising plant material from the plant of claim 59.

68. (Withdrawn) A method of modulating the time of expression of a starch branching enzyme II from *Triticum* species in endosperm of a plant from *Triticum* species, comprising the step of transforming the plant with a construct according to claim 54.

69. (Withdrawn) A method for suppressing the expression of starch branching enzyme II in a plant, comprising the step of introducing an isolated nucleic acid molecule according to claim 48 into a host plant, wherein said nucleic acid molecule suppresses the expression of starch branching enzyme II in the plant.